|         | Index of Claims             |          |  |           |          |          |          |          |          |              |              |           |     | Аррисацоп но.   |          |              |              |                 |          |               |          |                     | Applicant(s) |          |          |          |               |        |          |  |  |  |  |
|---------|-----------------------------|----------|--|-----------|----------|----------|----------|----------|----------|--------------|--------------|-----------|-----|-----------------|----------|--------------|--------------|-----------------|----------|---------------|----------|---------------------|--------------|----------|----------|----------|---------------|--------|----------|--|--|--|--|
|         |                             |          |  | Rejected  |          |          |          |          |          |              |              |           |     |                 |          |              | 10/656,501   |                 |          |               |          |                     |              |          |          |          | LEE ET AL.    |        |          |  |  |  |  |
|         |                             |          |  | Rejected  |          |          |          |          |          |              |              |           |     |                 |          | Examiner     |              |                 |          |               |          |                     |              |          |          | t        |               | Т      |          |  |  |  |  |
|         | / Rejected (Through numeral |          |  |           |          |          |          |          |          |              |              |           | A / |                 |          | <b>-14</b>   |              |                 |          |               | 3644     |                     |              |          |          |          |               |        |          |  |  |  |  |
|         |                             |          |  |           |          |          |          | -        |          |              |              |           |     |                 | J. \     | /VOC         | oaro         | wc              | Eldr     | ea            |          |                     |              | 364      | 4        |          |               |        |          |  |  |  |  |
| /Thuaah |                             |          |  |           |          |          |          |          |          |              |              |           |     |                 | ٦        | П            |              |                 |          | _             | ٢        | П                   |              |          |          |          | ٦             |        |          |  |  |  |  |
|         | √   Rejected     — (Through |          |  |           |          |          |          |          |          | ugn<br>Sanc  | nun<br>elle: | nera<br>H | 11) |                 | N        | Non-Elected  |              |                 | ed       |               | Α        | /                   | Appeal       |          |          |          |               |        |          |  |  |  |  |
|         |                             |          | Н  |           |          |          | $\dashv$ |          | $\vdash$ | ╁            |              |           |     |                 |          | ┨            | H            |                 |          |               |          | F                   |              |          |          |          | ┨             |        |          |  |  |  |  |
|         |                             |          | =  | Α         | llov     | иe       | d        |          | ÷        | · Restricted |              |           | d   |                 |          | u            | Interference |                 | ce       |               | 0        | ) Оь                |              | jected   |          |          |               |        |          |  |  |  |  |
|         |                             |          |  |           |          |          |          |          |          | 1            |              |           |     |                 |          | ١            | Ш            |                 |          |               |          | L                   |              |          |          |          | ل             |        |          |  |  |  |  |
|         | Cla                         | aim      |  |           |          | C        | ate      |          |          |              | С            | laim      |     |                 |          | Date         | e            |                 |          | ] [           | Clain    | 1                   |              |          | D        | ate      |               |        |          |  |  |  |  |
|         |                             | aí       | 05   |           |          |          |          |          |          |              | _            | la l      |     |                 |          |              |              |                 |          | ] [           | _   .    | <u>a</u>            |              |          |          |          |               |        |          |  |  |  |  |
|         | Final                       | Original | (8~  |           |          |          |          |          |          |              | ina          | igi       |     |                 |          |              |              |                 |          |               | Final    | Original            |              | İ        |          |          | 1             |        |          |  |  |  |  |
|         |                             | ō        | 7  |           |          |          |          |          |          | 1            | "            | Ō         |     |                 |          |              |              |                 |          |               | <u> </u> | 5                   |              |          |          |          |               |        |          |  |  |  |  |
|         |                             | 1        | 11   |           |          | $\Box$   | $\Box$   | $\Box$   | $\perp$  | П            |              | 51        |     |                 | $\Box$   |              |              |                 |          | ] [           |          | 01                  | $\Box$       |          |          |          | $\perp$       | $\Box$ |          |  |  |  |  |
|         |                             | 3        | +  | $\dashv$  |          | $\dashv$ | $\dashv$ | +        | +        | +            |              |           |     |                 | +        | +            | $\vdash$     | $\dashv$        | +        | <b>┤</b>      |          | 02<br>03            | $\dashv$     |          | $\vdash$ | +        | +             | ++     | $\dashv$ |  |  |  |  |
|         |                             | 4        | +  | $\exists$ |          | $\dashv$ | $\dashv$ | +        | +        | +            | <u> </u>     |           |     |                 | +        | +            | Н            |                 | +        | 1 1           |          | 04                  | +            | -        | $\vdash$ | +        | +             | +      | $\dashv$ |  |  |  |  |
|         |                             | 5        |  |           |          |          |          |          |          |              |              | 55        |     |                 |          |              |              |                 |          | ] [           | 1        | 05                  |              |          |          |          |               |        | $\Box$   |  |  |  |  |
|         |                             | 6        | $\!$ |           | -        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$     | <u> </u>     | 56        | 4   | $\sqcup$        | _        | +            | Ш            | $\dashv$        |          | -             | 1        | 06<br>07            | 4            | _        | $\sqcup$ |          |               | +-+    | 4        |  |  |  |  |
|         |                             | 8        | H  | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$ | +        | +-       | +            |              |           |     | $\vdash$        |          | ╁            | -            |                 |          | ┨╏            |          | 08                  | -            |          | $\vdash$ | $\dashv$ | +             | ╂═╂    | ᅱ        |  |  |  |  |
|         |                             | 9        |  |           |          | 1        |          |          |          |              |              | 59        |     |                 | 1        |              |              |                 |          | 1 [           |          | 09                  |              |          |          |          |               |        | ╛        |  |  |  |  |
|         |                             | 10       | 1  |           | _        | _        | $\dashv$ | _        | $\perp$  | $\bot$       |              |           |     | $\sqcup$        | _        | _            | Ш            | $\perp$         | _        | 4             |          | 10                  | _            |          | Ш        |          | $\perp$       | 11     | _        |  |  |  |  |
|         |                             | 11<br>12 | $\vdash$   | Н         | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +            | -            |           |     | H               | +        | +            | Н            | +               | +        | + $+$         |          | 11<br>12            | $\dashv$     | -        | $\vdash$ | $\dashv$ | +             | ++     | $\dashv$ |  |  |  |  |
|         |                             | 13       |  |           | $\neg$   |          |          | $\top$   | $\top$   | $\Box$       |              | 63        | П   | $\Box$          | $\top$   | 1            |              | $\exists$       | $\dashv$ | 1             |          | 13                  | $\exists$    |          |          |          | $\top$        | 11     | $\neg$   |  |  |  |  |
|         |                             | 14       |  |           |          |          | $\Box$   | $\Box$   |          | $\square$    |              | 64        |     | П               | $\Box$   | $\perp$      |              | $\Box$          | $\bot$   | ] [           |          | 14                  | $\Box$       |          | П        | $\Box$   | $\perp$       |        |          |  |  |  |  |
|         |                             | 15<br>16 | -  |           | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +            | -            | 65        | -   | $\vdash$        | +        | +            | -            | $\vdash$        |          | -             |          | 15<br>16            | $\dashv$     |          | $\vdash$ | $\dashv$ | +             | +      | $\dashv$ |  |  |  |  |
|         | <u> </u>                    | 17       | -  |           |          | $\dashv$ | $\dashv$ | $\dashv$ | ╁        | $\forall$    | $\vdash$     |           |     | H               | $\dashv$ | +            | $\vdash$     | $\forall$       | +        | 1             |          | 17                  | $\neg$       | +        | H        | $\dashv$ | ╅             | +      | ᅱ        |  |  |  |  |
|         |                             | 18       | 1  |           |          |          | 二        | ⇉        |          |              |              | 68        |     | П               | $\Box$   |              |              |                 |          | ]             | 1        | 18                  | $\Box$       |          | П        | $\Box$   | ightharpoonup |        |          |  |  |  |  |
|         | ļ                           |          | V  | Н         |          | $\dashv$ | $\dashv$ | 4        | -        | +            |              | 69        |     | $\vdash \vdash$ | +        | +            | $\vdash$     | $\dashv$        | +        | ┨╏            |          | 19<br>20            | 4            | +        | $\vdash$ | +        | +             | ++     | 긕        |  |  |  |  |
|         |                             | 20<br>21 | =  | Н         | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | +            | -            |           |     | H               | $\dashv$ | +            | H            | $\forall$       | $\dashv$ | 1             |          | 21                  | _            | +        | H        | $\dashv$ | +             | +      | ㅓ        |  |  |  |  |
|         |                             | 22       |  |           |          |          |          |          |          |              |              | 72        | :   |                 | 工        |              |              |                 |          | ]             | 1        | 22                  |              |          |          |          | 丄             |        | $\Box$   |  |  |  |  |
|         | ļ                           | 23       |  | Н         | $\dashv$ |          | $\dashv$ |          |          | $\dashv$     | _            |           |     | $\vdash$        | -        | +            | ├            | $\vdash$        | _        | 4             |          | 23<br>24            | _            |          | $\vdash$ | +        | +             | +      | $\dashv$ |  |  |  |  |
|         |                             | 24<br>25 | -  | H         | -        | $\dashv$ | $\dashv$ | $\dashv$ |          | +            |              | 75        | +   | $\vdash \vdash$ | $\dashv$ | +            | $\vdash$     | $\vdash$        | -        | 1             |          | 2 <del>4</del>   25 | ᅱ            |          | ╁┤       | +        |               | ┧      | $\dashv$ |  |  |  |  |
|         |                             | 26       |  |           | •        |          |          |          |          |              |              | 76        |     |                 |          |              |              |                 |          | ] [           | 1        | 26                  |              |          |          |          |               |        |          |  |  |  |  |
|         |                             | 27       |  |           |          | _        | $\perp$  | _        | _        | Ш            |              |           |     | $\sqcup$        | _        | _            | <u> </u>     | $\sqcup$        | _        | 4             |          | 27                  | _            | $\perp$  |          | 4        | _ _           | -      | _        |  |  |  |  |
|         | <del> </del>                | 28<br>29 | -  | Н         |          | $\dashv$ | $\dashv$ | $\dashv$ | +        | +            |              | 79        |     | +               | +        | ╁            | -            | $\vdash$        | +        | $\dashv \mid$ |          | 28<br>29            | $\dashv$     | $\dashv$ | $\vdash$ | $\dashv$ | +             | ╅      | $\dashv$ |  |  |  |  |
|         |                             | 30       |  |           |          |          |          | 士        | $\top$   |              |              | 80        |     |                 |          |              |              |                 |          | j l           | 1        | 30                  |              |          |          |          |               |        |          |  |  |  |  |
|         |                             | 31       |  | Ш         |          | 4        |          | $\dashv$ |          | $\bot$       | _            | 81        |     | $\sqcup$        | _        | ᆜ            | 1            | $\vdash$        | 4        | 4             |          | 31                  | 4            | _        | $\sqcup$ | 4        | 4             |        | $\dashv$ |  |  |  |  |
|         | <u> </u>                    | 32<br>33 | -  | Н         | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | ╂┤           |              | 82        |     | ┼┤              |          | +            | $\vdash$     | $\vdash$        | +        | -             |          | 32<br>33            | -            | -        | H        | +        | +             | ++     | $\dashv$ |  |  |  |  |
|         |                             | 34       | _  | П         |          | $\dashv$ |          | 1        | +        | $\top$       |              | 84        |     | $  \cdot  $     | _        | $\top$       | $\vdash$     |                 | _ -      | 1             | 1        | 34                  |              | _        | $\Box$   |          | $\top$        | 11     |          |  |  |  |  |
|         |                             | 35       |  |           | $\Box$   | $\Box$   |          | $\Box$   |          |              |              | 85        |     | П               |          | $oxed{\Box}$ |              | $\Box$          | $\perp$  | ]             |          | 35                  |              |          |          |          |               |        |          |  |  |  |  |
|         | -                           | 36<br>37 | -  | H         |          | $\dashv$ | $\dashv$ | -        | -        | +            | -            | 86        |     | $\vdash$        | $\dashv$ | +            | ┢            | $\vdash$        | +        | $\dashv \mid$ | 1        | 36<br>37            | $\dashv$     | +        | $\vdash$ | $\dashv$ | +             | +      | $\dashv$ |  |  |  |  |
|         |                             | 38       | $\vdash$   | Н         | $\dashv$ | $\dashv$ |          | $\dashv$ | +        | +            | -            | 88        |     | +               | +        | +            | $\vdash$     | $\vdash$        | +        | 1             |          | 38                  |              | $\dashv$ | $\Box$   | +        | $\dashv$      | +      | $\dashv$ |  |  |  |  |
|         |                             | 39       |  |           |          |          |          | $\Box$   | $\perp$  |              |              | 89        |     |                 | $\Box$   |              |              |                 |          | ]             | 1        | 39                  |              |          |          |          | $\perp$       |        |          |  |  |  |  |
|         |                             | 40       | _  |           |          | $\dashv$ |          | $\dashv$ | +        | +            | -            | 90        |     | H               | -        | -            |              | $\vdash$        | +        | -             |          | 40<br>41            |              |          | +        | -+       | +             | +      | $\dashv$ |  |  |  |  |
|         |                             | 41       | $\vdash$   | $\vdash$  |          | $\dashv$ | $\dashv$ | $\dashv$ | +        | +            | $\vdash$     | 91        |     | H               | $\dashv$ | +            | +-           | $\vdash$        | +        | ┨             |          | 42                  |              | $\dashv$ | +        | $\dashv$ | +             | +      | $\dashv$ |  |  |  |  |
|         |                             | 43       |  |           |          |          |          |          | 土        |              |              | 93        | 3   | Ш               | $\Box$   |              |              |                 |          | ]             | 1        | 43                  |              |          | $\Box$   | 耳        | $\downarrow$  |        |          |  |  |  |  |
|         | <u> </u>                    | 44       |  | Щ         | Щ        | $\sqcup$ | $\dashv$ | -        | +        | +            | <u> </u>     | 94        |     | +               | +        | -            | ₩            | $\vdash$        | - -      | 4             |          | 44<br>45            | 4            | -        | ┦┤       | $\dashv$ | +             | +      | $\dashv$ |  |  |  |  |
|         |                             | 45<br>46 | -  | $\vdash$  | $\vdash$ |          | $\dashv$ | $\dashv$ | +        | +            | -            | 96        |     | +               | $\dashv$ | +            | ┼-           | $\vdash$        | +        | $\dashv \mid$ |          | 45                  | -            | +        | ╁┤       | +        | +             | ++     | $\dashv$ |  |  |  |  |
|         |                             | 47       |  |           |          |          |          |          |          |              |              | 97        | 7   | 口               | 士        | 上            |              |                 |          | ]             | 1        | 47                  |              |          | П        |          |               | П      |          |  |  |  |  |
|         |                             | 48       | L  | $\sqcup$  | Ш        | $\sqcup$ | $\sqcup$ | $\dashv$ | $\perp$  | +            |              | 98        |     | $\vdash$        | -        | +            | 1            | $\sqcup$        |          |               |          | 48                  | _            |          | $\vdash$ | -        | +             | +-     | $\dashv$ |  |  |  |  |
|         |                             | 49<br>50 | $\vdash$   | $\vdash$  | Н        | H        | $\vdash$ | $\dashv$ | +        | +            | -            | 99        |     | $\vdash$        | +        | +            | -            | $\vdash \vdash$ | +        | ┨             | 1        | 49<br>50            | $\dashv$     | +        | ╁╌┤      | +        | +             | +      | H        |  |  |  |  |
|         |                             |          |  |           | لــــــ  |          |          |          |          |              |              |           |     |                 |          |              |              |                 |          |               |          |                     |              |          |          |          |               |        |          |  |  |  |  |